

CLAIMS:

- 62 1. A reinforced window system for mounting within an opening in a wall, the window system comprising a frame fixable to the opening; said frame comprising an outside support panel and a plurality of fixable fixing members distributed on an
5 inside of the frame; a reinforced window pane fixedly supported within a removable frame; said removable frame comprising a plurality of support members articulated to the support frame and adapted for engagement by the corresponding fixing members; and locking members for positioning and fixing the removable frame within the frame.
- 10 2. A window system according to claim 1, wherein each support member is formed with at least one arm engageable by a fixing member.
3. A window system according to claim 1, wherein the support member is
15 formed with at least one arm which at a mounted state of the support frame, extends opposite a corresponding flange associated with the frame. ¹¹⁷ which one
4. A window system according to claim 3, wherein the flange is a hook-like
15 portion of the fixing member adapted for engagement with a corresponding first arm of a support member.
5. A window system according to claim 3, wherein the flange is an extension
20 of the frame adapted for engagement with a corresponding second arm of a support member.
6. A window system according to claim 3, wherein the fixing members are
bifurcated elements having a first arm and a second arm, which arms at a mounted
state of the support frame, extend opposite a corresponding portion of the fixing
members and an extension of the frame. ¹¹² support
- 25 7. A window system according to claim 3, wherein a shock wave striking the window pane gives rise to generation of forces acting in the plane of the window pane and in an orthogonal plane, displacing the support frame in a radial inward direction, whereby the at least one arm of the support members engage the corresponding flanges. ¹¹² no plural

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8. A window system according to claim 7, wherein the energy of the shock wave striking the window pane is wasted at a first stage by deformation of the at least one arms, and a second stage by shear thereof.
- X 9. A window system according to claim 1, comprising at least one adjustable fixing member fitted on at least two sides of the frame. *112 how*
- X 10. A window system according to claim 1, wherein the fixing members are adjustable and removable. ✓
- X 11. A window system according to claim 10, wherein at least some of the fixable fixing members are fitted with a fixation screw adapted for bearing against a corresponding arm of the support member. 10
- ✓ 12. A window system according to claim 1, wherein the support members are fixed at their respective locations to the support frame.
- ✓ 13. A window system according to claim 1, wherein a ballistic panel is fitted at the outside face of the frame, at the perimeter thereof, rendering the window system ballistic resistance. *not shown in drawing* 15
- X 14. A window system according to claim 1, wherein the window pane is fixed to the removable frame by an adhesive material.
- X 15. A window system according to claim 14, wherein the adhesive material is a low-module silicone. *not shown in drawing*
- 20 ✓ 16. A window system according to claim 1, wherein the window pane is fixed to the removable frame by a mechanical glazing system, fitted with resilient gaskets at both faces of the window pane.
- ✓ 17. A window system according to claim 1, wherein the window pane sealingly bears against the outside support panel.
- 25 ✓ 18. A window system according to claim 17, wherein a resilient sealing member is fitted between an outside face of the window pane and the outside support panel.
- ✓ 19. A window system according to claim 1, suited for retro-fitting behind an original window system installed in the opening.

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